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**IN THE SPECIFICATION**

[29] As shown in the Figure 6 flowchart, a control utilizes information from the sensor 46 by measuring shaft rotation position ( $A_1$ ) (sensor 71) and then asking whether the force from the sensor 46 has reached the limit point shown in Figure 5. If not, the control continues to monitor when the application of force reaches the limit. Once the force reaches the limit, a second measurement of shaft rotation position is taken ( $A_2$ ). The difference between the two shaft rotational positions ( $A_2 - A_1$ ) is related to the air gap of the pads relative to the rotor. Then, when the brake is released, clearance can be adjusted based upon this difference ( $X$ ). As shown, the entire difference will not typically be adjusted, but rather some portion of the difference. As an example, .5 of the distance is often utilized.